AMENDMENTS TO THE DRAWINGS:

The attached sheet of drawings includes changes to Figs. 2a and 2b, and replaces the original sheet of drawings. In Figs. 2a and 2b, the previous showing of the same part numbers being shared drawing figures has been has been amended such that each of drawing figures 2a and 2b is presented as a clearly distinct figure.

Attachment: Replacement Sheet
Annotated Sheet Showing Changes

REMARKS

Claims 1, 3-6, 8-14, and 16-19 are currently pending. Claims 1, 6, 12, 14, and 17 have been amended for clarification purposes. It is respectfully submitted that no new matter has been added.

The Patent Office objected to the drawings as having overlapping figures. In response, please find attached a replacement sheet in which drawing figures 2a and 2b are clearly distinguished. It is respectfully submitted that no new matter has been added.

The Patent Office rejected claims 1, 3-6, 8-14, and 16-19 under 35 U.S.C. 103(a) as being unpatentable over Boroumand, U.S. Published Patent Application No. 2002/0156870, in view of Henricksen, "Adapting the Web Interface: An Adaptive Web Browser."

Claim 1 recites as follows:

> A method for making it easier to process user specific information at an information processing device, which method uses a network browser installed on said information processing device for searching, processing and presenting information, the network browser comprising at least an address field and virtual function keys associated with it, wherein the address field and virtual function keys are modified so as to be in accordance with the service used at that time, wherein **the modification of the address field and virtual keys is based on alphanumeric data input of the user in the network browser address field**.

Claim 6 recites as follows:

> An address field with associated virtual function keys belonging to a network browser installed at an information processing device, wherein the address field with the virtual function keys is arranged so as to be modified according to the service used at a given moment, **wherein the modification of the address field and virtual keys is based on alphanumeric data input of the user in the network browser address field**.

Claim 12 recites as follows:

> A www page at a server connected to a communications network, the www page comprising software means for modifying a network browser address field and associated virtual function keys, which network browser is intended for using the www page, so that they are in accordance with the service provided on the www page, wherein **the modification of the**

address field and virtual keys is based on data input in the network browser address field by the software means.

Claim 14 recites as follows:

> A communications network terminal, comprising means for receiving data, means for transmitting data, control unit for the terminal, memory, and a user interface for the terminal, the control unit for the terminal comprising software means for modifying the user interface for the terminal so as to be in accordance with the service used; wherein an address field and virtual keys of a network browser belonging to the user interface are arranged so as to be modified in accordance with the service on the basis of information entered in the address field of the network browser, wherein **the modification of the address field and virtual keys is based on alphanumeric data input of the user in the network browser address field**.

Claim 17 recites as follows:

> A mobile wireless terminal, comprising: a display; a processor; a browser software application that is executed by the processor in which a browser is displayed on the display, the displayed browser having an address input field; and input keys, **wherein the functionality of at least one of the input keys is determined upon entry of an address in the address input field of the displayed browser by the user,** wherein the entered address corresponds to a service accessed through the functionality of the at least one of the input keys, where the service is one of a plurality of services offered through the browser of the mobile wireless terminal.

Boroumand discloses a computer system where some of the keys of an end-user PC keyboard can be defined as hotkeys by the end-user. Boroumand does not disclose or suggest that data entry into an address input field of a displayed browser determines the functionality of at least one input key or modifies both the address field and virtual keys, or the modification of the address field and virtual keys is based on a software application associated with the www page.

Boroumand discloses a setup program by which keys of the keyboard of the client device can be directly associated with certain URLs. Boroumand discloses a computer system where some of the keys of an end-user PC keyboard can be defined as hotkeys by the end-user. This happens utilizing a special hotkey setup program. During setup, the end-user associates a key (or several keys) to a certain URL (URLs). As shown in Figure 4, a user may enter a URL in a predesignated hotkey (function key) field (such as F8, F9, F10, F11) or choose from a menu a

web site (i.e., URL) to correspond to a predesignated hotkey. After running the installation program, by pressing of a user-defined hotkey, the PC is directly connected to a corresponding world wide web (www) page, which the end-user has associated with that particular hotkey (e.g., paragraph 0036). Boroumand also discloses that www pages may be accessed through tapping with a stylus, nodding in a particular direction while in a virtual reality environment, pointing a finger while wearing a haptic glove, or even by audible sounds such as whistling (paragraph 0084).

After running the installation program, when a user presses a user-defined hotkey (512, 514, 516 of Figure 5), the PC sends a special UIC message (unique identification code) to the server (518 of Figure 5). The UIC message identifies the pressed keyboard key and the user. The server decodes the UIC message to associate the pressed keyboard key and the user. After decoding the URL, the server sends the decoded URL back to the client (522 of Figure 5). The client receives the URL and puts it into the browser address field (524 of Figure 5). After that, the client tries to establish a connection with the specified URL (526 of Figure 5).

If the client succeeds in establishing a connection, the address field and virtual keys will then be based upon data input in the network browser address field according to the URL associated with the pressed hotkey (i.e., the service offered by the URL can define the contents of the address field and an action associated with a key press).

Boroumand does not enter data into the network browser field to obtain at least one virtual key and an address field. In Boroumand's installation program, Boroumand does not disclose Applicant's claimed subject matter of modification of the address field and virtual keys based on alphanumeric data input of the user in the network browser address field (claims 1, 3-6, 8-11, 14 and 16), modification of the address field and virtual keys based on data input in the network browser field by the software means comprised in a www page (claims 12 and 13), or the functionality of at least one of the input keys determined upon entry of an address in the address field of the displayed browser by the user (claims 17-19).

The Patent Office alleges among other things: "Although Boroumand et al. teach the invention substantially as cited above, they do not explicitly tech that modification of the address field and virtual keys is based on alphanumeric data input of the user. The Patent Office alleges that this deficiency is remedied by Henricksen.

Henricksen discloses types of adaptation that can be applied to a Web browser in response to diverse context changes, for example, changes in available computing resources, input and output device capabilities, network characteristics, location and user context. However, Henricksen does not unambiguously suggest that a user input in an address field in the www browser could be used in the disclosed adaptation processes. In section 2.3 of his article, Henricksen discloses "... it is necessary for the browser to be capable of dynamically adapting its interface to the context." That is, the cited portion of section 2.3 expresses only an existing problem and does not provide an answer or any exact means that could solve the problem applicant solves. Especially, Henricksen does not suggest or disclose that a user input in the address field of a www-browser could be useful somehow in solving the problem recognized by Applicant.

Henricksen, in section 4.3, discloses a monitoring agent which could be considered an example of an adaptation means. However, the depicted monitoring agent can track only the used display type, bandwidth of the connection and connection status of the network link. The disclosed monitoring agent is not able to track, for example, a service utilized in the www-browser and adapt the user interface for the service. Therefore, it is argued that Henricksen and Boroumand cannot be combined in a way which could lead to the presently claimed invention.

Thus, claims 1, 3-6, 8-14, and 16-19 are not made obvious by Boroumand in view of Henricksen.

The Patent Office is respectfully requested to reconsider and remove the rejections of the claims 1, 3-6, 8-14, and 16-19 under 35 U.S.C. 103(a) based on Boroumand, U.S. Published Patent Application No. 2002/0156870, in view of Henricksen, "Adapting the Web Interface: an Adaptive Web Browser," and to allow all of the pending claims 1, 3-6, 8-14, and 16-19 as now presented for examination. An early notification of the allowability of claims 1, 3-6, 8-14, and 16-19 is earnestly solicited.

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Respectfully submitted:

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450.

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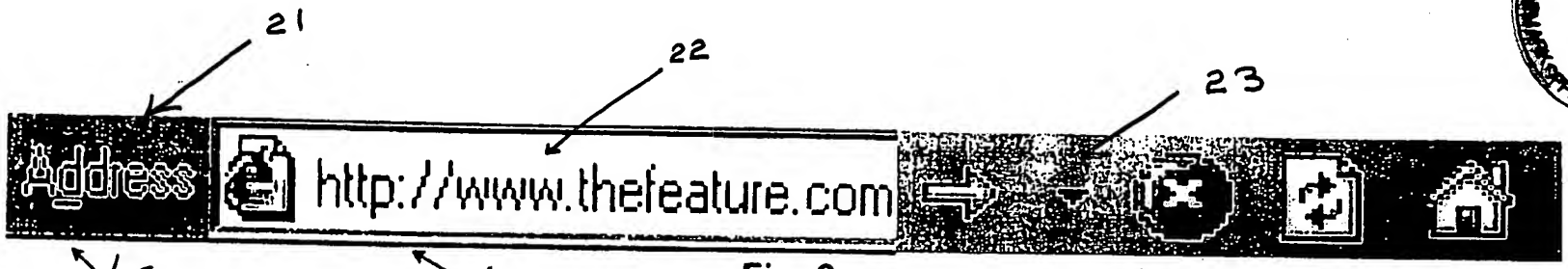

Fig. 2a

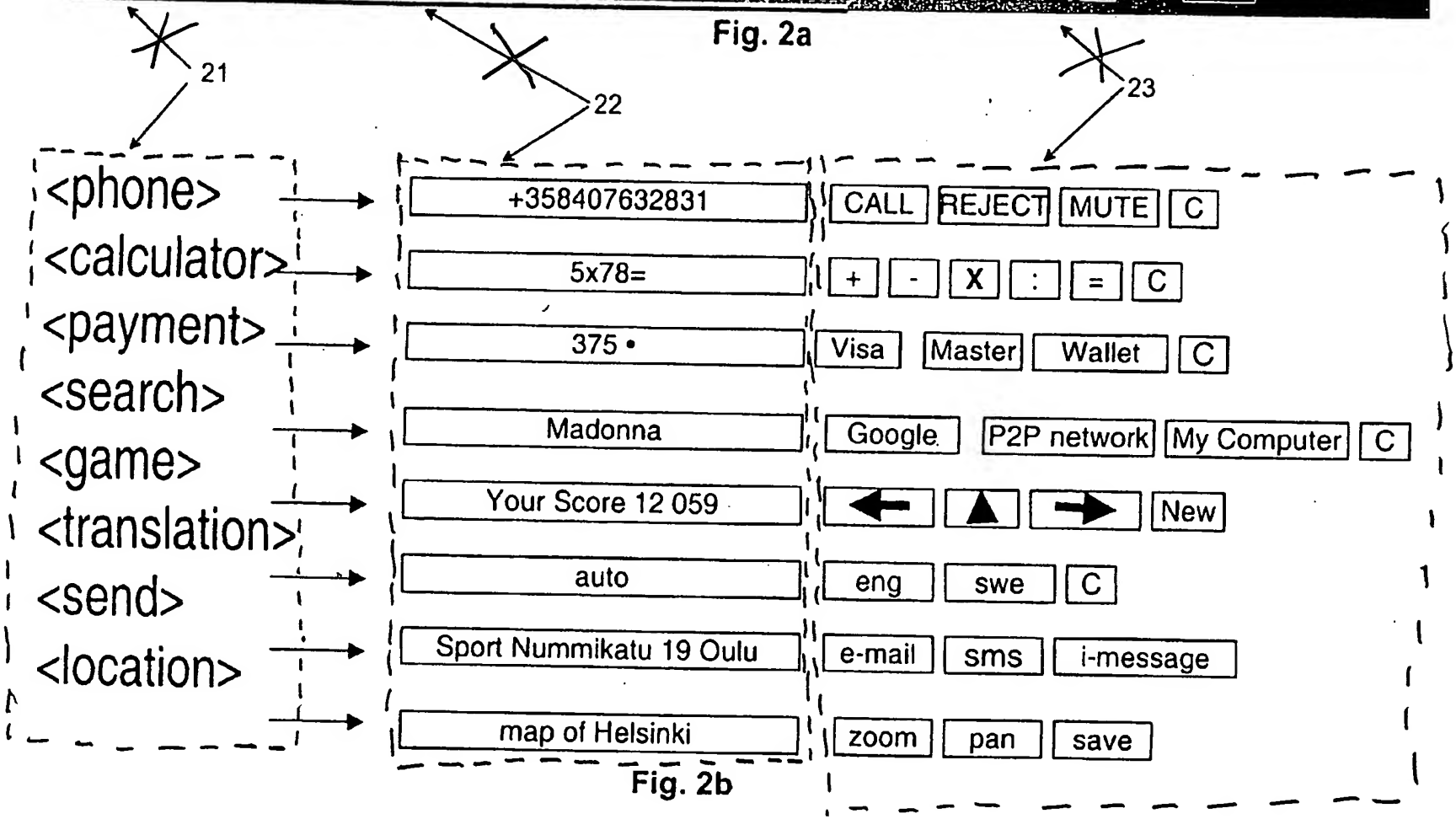

Fig. 2b

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